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TECH CENTER 1600/2900

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 <212> PRT
 <213> Scenedesmus obliquus

<400> 4

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Val Arg Ala Ala Gly Pro Thr Ala Glu Cys Asp Cys Pro Pro Ala Pro
 35 40 45

Ala Pro Lys Ala Pro His Trp Gln Gln Thr Leu Asp Glu Leu Ala Lys
 50 55 60

Pro Lys Glu Gln Arg Lys Val Met Ile Ala Gln Ile Ala Pro Ala Val
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Arg Val Ala Ile Ala Glu Thr Met Gly Leu Asn Pro Gly Asp Val Thr
 85 90 95

Val Gly Gln Met Val Thr Gly Leu Arg Met Leu Gly Phe Asp Tyr Val
 100 105 110

Phe Asp Thr Leu Phe Gly Ala Asp Leu Thr Ile Met Glu Glu Gly Thr
 115 120 125

Glu Leu Leu His Arg Leu Gln Asp His Leu Glu Gln His Pro Asn Lys
 130 135 140

Glu Glu Pro Leu Pro Met Phe Thr Ser Cys Cys Pro Gly Trp Val Ala
 145 150 155 160

Met Val Glu Lys Ser Asn Pro Glu Leu Ile Pro Tyr Leu Ser Ser Cys
 165 170 175

Lys Ser Pro Gln Met Met Leu Gly Ala Val Ile Lys Asn Tyr Phe Ala

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Asp	Glu	Arg	Ala	Val	Ile	Arg	Arg	Ser	His	Glu	Asn	Pro	Leu	Ile	Gly		
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 <213> Chlamydomonas reinhardtii

 <400> 5

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 Ser Thr Val Arg Val Ala Leu Ala Thr Leu Glu Ala Pro Ala Arg Arg
 35 40 45

 Leu Gly Asn Val Ala Cys Ala Ala Ala Ala Pro Ala Ala Glu Ala Pro
 50 55 60

 Leu Ser His Val Gln Gln Ala Leu Ala Glu Leu Ala Lys Pro Lys Asp
 65 70 75 80

 Asp Pro Thr Arg Lys His Val Cys Val Gln Val Ala Pro Ala Val Arg
 85 90 95

 Val Ala Ile Ala Glu Thr Leu Gly Leu Ala Pro Gly Ala Thr Thr Pro
 100 105 110

 Lys Gln Leu Ala Glu Gly Leu Arg Arg Leu Gly Phe Asp Glu Val Phe
 115 120 125

 Asp Thr Leu Phe Gly Ala Asp Leu Thr Ile Met Glu Glu Gly Ser Glu
 130 135 140

 Leu Leu His Arg Leu Thr Glu His Leu Glu Ala His Pro His Ser Asp
 145 150 155 160

 Glu Pro Leu Pro Met Phe Thr Ser Cys Cys Pro Gly Trp Ile Ala Met
 165 170 175

 Leu Glu Lys Ser Tyr Pro Asp Leu Ile Pro Tyr Val Ser Ser Cys Lys
 180 185 190

Ser Pro Gln Met Met Leu Ala Ala Met Val Lys Ser Tyr Leu Ala Glu
195 200 205

Lys Lys Gly Ile Ala Pro Lys Asp Met Val Met Val Ser Ile Met Pro
210 215 220

Cys Thr Arg Lys Gln Ser Glu Ala Asp Arg Asp Trp Phe Cys Val Asp
225 230 235 240

Ala Asp Pro Thr Leu Arg Gln Leu Asp His Val Ile Thr Thr Val Glu
245 250 255

Leu Gly Asn Ile Phe Lys Glu Arg Gly Ile Asn Leu Ala Glu Leu Pro
260 265 270

Glu Gly Glu Trp Asp Asn Pro Met Gly Val Gly Ser Gly Ala Gly Val
275 280 285

Leu Phe Gly Thr Thr Gly Gly Val Met Glu Ala Ala Leu Arg Thr Ala
290 295 300

Tyr Glu Leu Phe Thr Gly Thr Pro Leu Pro Arg Leu Ser Leu Ser Glu
305 310 315 320

Val Arg Gly Met Asp Gly Ile Lys Glu Thr Asn Ile Thr Met Val Pro
325 330 335

Ala Pro Gly Ser Lys Phe Glu Glu Leu Leu Lys His Arg Ala Ala Ala
340 345 350

Arg Ala Glu Ala Ala Ala His Gly Thr Pro Gly Pro Leu Ala Trp Asp
355 360 365

Gly Gly Ala Gly Phe Thr Ser Glu Asp Gly Arg Gly Gly Ile Thr Leu
370 375 380

Arg Val Ala Val Ala Asn Gly Leu Gly Asn Ala Lys Lys Leu Ile Thr
385 390 395 400

Lys Met Gln Ala Gly Glu Ala Lys Tyr Asp Phe Val Glu Ile Met Ala
405 410 415

Cys Pro Ala Gly Cys Val Gly Gly Gly Gly Gln Pro Arg Ser Thr Asp
420 425 430

Lys Ala Ile Thr Gln Lys Arg Gln Ala Ala Leu Tyr Asn Leu Asp Glu
435 440 445

Lys Ser Thr Leu Arg Arg Ser His Glu Asn Pro Ser Ile Arg Glu Leu
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Tyr Asp Thr Tyr Leu Gly Glu Pro Leu Gly His Lys Ala His Glu Leu
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Leu His Thr His Tyr Val Ala Gly Gly Val Glu Glu Lys Asp Glu Lys
485 490 495

Lys

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<211> 436
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<213> Chlorella fusca

<400> 6

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35 40 45

Ala Lys Pro Lys Glu Ser Arg Arg Leu Met Ile Ala Gln Ile Ala Ser
50 55 60

Ala Val Arg Val Ala Ile Ala Glu Thr Ile Gly Leu Ala Pro Gly Asp
65 70 75 80

Val Thr Ile Gly Gln Leu Val Thr Gly Leu Arg Met Leu Gly Phe Asp
85 90 95

Tyr Val Phe Asp Thr Leu Phe Gly Ala Asp Leu Thr Ile Met Glu Glu
100 105 110

Gly Thr Glu Leu Leu His Arg Leu Gln Asp His Leu Glu Gln His Pro
115 120 125

Asn Lys Glu Glu Pro Leu Pro Met Phe Thr Ser Cys Cys Pro Gly Trp
130 135 140

Val Ala Met Val Glu Lys Ser Asn Pro Glu Leu Ile Pro Tyr Leu Ser
145 150 155 160

Ser Cys Lys Ser Pro Gln Met Met Leu Gly Ala Val Ile Lys Asn Tyr
165 170 175

Tyr Ala Gln Gln Val Gly Val Gln Pro Ser Asp Ile Cys Asn Val Ser
180 185 190

Val Met Pro Cys Val Arg Lys Gln Gly Glu Ala Asp Arg Glu Trp Phe
195 200 205

Asn Thr Thr Gly Ala Gly Leu Ala Arg Asp Val Asp His Val Val Thr
210 215 220

Thr Ala Glu Val Gly Lys Ile Phe Leu Glu Arg Gly Ile Lys Leu Asn
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Glu Leu Pro Glu Ser Asn Phe Asp Asn Pro Ile Gly Glu Gly Thr Gly
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Gly Ala Leu Leu Phe Gly Thr Thr Gly Gly Val Met Glu Ala Ala Leu
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Arg Thr Val Tyr Glu Val Val Thr Gln Lys Pro Met Gly Arg Val Asp
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Phe Glu Glu Val Arg Gly Leu Glu Gly Ile Lys Glu Ala Glu Ile Thr
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Leu Lys Pro Gly Asp Asp Ser Pro Phe Lys Ala Phe Ala Gly Ala Asp
305 310 315 320

Gly Gln Gly Ile Thr Leu Lys Ile Ala Val Ala Asn Gly Leu Gly Asn
325 330 335

Ala Lys Lys Leu Ile Lys Ser Leu Ser Glu Gly Lys Ala Lys Tyr Asp
340 345 350

Phe Ile Glu Val Met Ala Cys Pro Gly Gly Cys Ile Gly Gly Gly Gly
355 360 365

Gln Pro Arg Ser Thr Asp Lys Gln Ile Leu Gln Lys Arg Gln Gln Ala
370 375 380

Met Tyr Asn Leu Asp Glu Arg Ser Thr Ile Arg Arg Ser His Asp Asn
385 390 395 400

Pro Phe Ile Gln Ala Leu Tyr Asp Lys Phe Leu Gly Ala Pro Asn Ser
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His Lys Ala His Asp Leu Leu His Thr His Tyr Val Ala Gly Gly Ile
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Pro Glu Glu Lys
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<212> RNA
<213> Scenedesmus obliquus

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 <213> Chlamydomonas reinhardtii

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<211> 2421

<212> RNA

<213> Chlorella fusca

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